Format No: CP/TF/01

# TEST REPORT OF CEMENT CONCRETE CUBES

**Lab ID** : CP-2019-09-07-23 **Date: 02/07/2019**

**Customer** : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

**Address** : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

**Project Name** : Construction of CC Road at MIG 3rd Phase , Cross Roads in Ward No.04, Yelahanka Division.

**Agency** : Sri.Krishna S, No:35, K H B Main Road, A Block, Kaveri Nagar, Bangalore.

**Customer's Reference** : EE(YNK.D)E-PMT-09/W.O/08/2019-20.

**Source of Sample** : Sample supplied by Agency

**Sample Condition** : Satisfactory

**Date of Receipt** : 27-06-19

**Customer ID** : Cement Concrete Pavement

**Sample Type /Size** : 150X150X150 mm

**Sample grade/Age** : M30 / 7 Days Compressive Strength

**Reference to BIS codes** : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

**Date of test** : 02/07/2019

| Sl. No. | Identification Mark | Grade of concrete | Date of Casting | Date of Testing | Dimension of the Specimen (mm) | Cross sectional area (Sq.mm) | Weight of the sample (kg) | Failure Load (KN) | Compressive strength ($N/mm^2$) | Average Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 151.27 X 151.23 X 149.20 | 22876 | 8.655 | 584.5 | 25.6 | 25.5 |
| 2 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 151.23 X 149.27 X 149.36 | 22573 | 8.607 | 595.7 | 26.4 | |
| 3 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 149.17 X 150.05 X 150.66 | 22383 | 8.259 | 546.6 | 24.4 | |

Note:
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Format No: CP/TF/01

# TEST REPORT OF CEMENT CONCRETE CUBES

| | | |
|---|---|---|
| **Lab ID** | : | CP-2019-09-07-23 **Date: 23/07/2019** |
| **Customer** | : | Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| **Address** | : | Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| **Project Name** | : | Construction of CC Road at MIG 3rd Phase , Cross Roads in Ward No.04, Yelahanka Division. |
| **Agency** | : | Sri.Krishna S, No:35, K H B Main Road, A Block, Kaveri Nagar, Bangalore. |
| **Customer's Reference** | : | EE(YNK.D)E-PMT-09/W.O/08/2019-20. |
| **Source of Sample** | : | Sample supplied by Agency |
| **Sample Condition** | : | Satisfactory |
| **Date of Receipt** | : | 27-06-19 |
| **Customer ID** | : | Cement Concrete Pavement |
| **Sample Type /Size** | : | 150X150X150 mm |
| **Sample grade/Age** | : | M30 / 28 Days Compressive Strength |
| **Reference to BIS codes** | : | IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5 |
| **Date of test** | : | 23/07/2019 |

| Sl. No. | Identification Mark | Grade of concrete | Date of Casting | Date of Testing | Dimension of the Specimen (mm) | Cross sectional area (Sq.mm) | Weight of the sample (kg) | Failure Load (KN) | Compressive strength ($N/mm^2$) | Average Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Cement Concrete Pavement | M30 | 25/06/2019 | 23/07/2019 | 151.81 X 151.02 X 149.71 | 22926 | 8.356 | 774.9 | 33.8 | 33.3 |
| 2 | Cement Concrete Pavement | M30 | 25/06/2019 | 23/07/2019 | 150.44 X 151.31 X 149.52 | 22763 | 8.863 | 745.4 | 32.7 | |
| 3 | Cement Concrete Pavement | M30 | 25/06/2019 | 23/07/2019 | 150.43 X 151.41 X 151.46 | 22776 | 8.845 | 762.8 | 33.5 | |

**Note:**
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# TEST REPORT OF CEMENT CONCRETE CUBES

**Lab ID** : CP-2019-09-07-23 **Date: 02/07/2019**

**Customer** : Assistant Executive Engineer,Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

**Address** : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

**Project Name** : Construction of CC Road at MIG 3rd Phase , Cross Roads in Ward No.04,Yelahanka Division.

**Agency** : Sri.Krishna S, No:35, K H B Main Road, A Block, Kaveri Nagar, Bangalore.

**Customer's Reference** : EE(YNK.D)E-PMT-09/W.O/08/2019-20.

**Source of Sample** : Sample supplied by Agency

**Sample Condition** : Satisfactory

**Date of Receipt** : 27-06-19

**Customer ID** : Cement Concrete Pavement

**Sample Type /Size** : 150X150X150 mm

**Sample grade/Age** : M30 / 7 Days Compressive Strength

**Reference to BIS codes** : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

**Date of test** : 02/07/2019

| Sl. No. | Identification Mark | Grade of concrete | Date of Casting | Date of Testing | Dimension of the Specimen (mm) | Cross sectional area (Sq.mm) | Weight of the sample (kg) | Failure Load (KN) | Compressive strength ($N/mm^2$) | Average Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 149.75 X 151.55 X 150.98 | 22694 | 8.655 | 584.7 | 25.8 | 25.4 |
| 2 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 151.81 X 149.45 X 149.46 | 22687 | 8.607 | 597.3 | 26.3 | |
| 3 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 149.41 X 150.41 X 149.59 | 22473 | 8.259 | 545.0 | 24.2 | |

**Note:**

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# TEST REPORT OF CEMENT CONCRETE CUBES

**Lab ID** : CP-2019-09-07-23 **Date: 02/07/2019**

**Customer** : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

**Address** : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

**Project Name** : Construction of CC Road at MIG 3rd Phase , Cross Roads in Ward No.04, Yelahanka Division.

**Agency** : Sri Krishna S, No:35, K H B Main Road, A Block, Kaveri Nagar, Bangalore.

**Customer's Reference** : EE(YNK.D)E-PMT-09/W.O/08/2019-20.

**Source of Sample** : Sample supplied by Agency

**Sample Condition** : Satisfactory

**Date of Receipt** : 27-06-19

**Customer ID** : Cement Concrete Pavement

**Sample Type /Size** : 150X150X150 mm

**Sample grade/Age** : M30 / 7 Days Compressive Strength

**Reference to BIS codes** : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

**Date of test** : 02/07/2019

| Sl. No. | Identification Mark | Grade of concrete | Date of Casting | Date of Testing | Dimension of the Specimen (mm) | Cross sectional area (Sq.mm) | Weight of the sample (kg) | Failure Load (KN) | Compressive strength ($N/mm^2$) | Average Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 151.36 X 149.22 X 151.58 | 22586 | 8.655 | 576.6 | 25.5 | 25.6 |
| 2 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 150.64 X 149.11 X 149.67 | 22462 | 8.607 | 589.7 | 26.3 | |
| 3 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 151.09 X 149.89 X 149.67 | 22647 | 8.259 | 565.9 | 25.0 | |

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## TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

| | | |
|---|---|---|
| **Lab ID** | : | **CP-2019-09-07-23** **Date: 24-06-19** |
| **Customer** | : | Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| **Address** | : | Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| **Project Name** | : | Construction of CC Road at MIG 3rd Phase , Cross Roads in Ward No.04, Yelahanka Division. |
| **Agency** | : | Sri.Krishna S, No:35, K H B Main Road, A Block, Kaveri Nagar, Bangalore. |
| **Customer's Reference** | : | EE(YNK.D)E-PMT-09/W.O/08/2019-20. |
| **Source of Sample** | : | Sample supplied by Agency |
| **Sample Condition** | : | Satisfactory |
| **Date of Receipt** | : | 20-06-19 |
| **Sample Type** | : | Birla Super 53grade |
| **Reference to BIS codes** | : | IS 12269 2013, 53 Grade Ordinary Portland cement Specification ,<br>IS 4031 (Part 1,2 3,4,5, 6,11):1988<br>IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4<br>IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5<br>IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6<br>IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5<br>IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5<br>IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6 |
| **Date of test** | : | 21-06-19 |
| **Environmental Conditions during test** | : | Temperature: 26°C<br>Humidity: 72% |

| SLNo. | Physical properties | Results | Requirement as per IS 12269: 2013 |
|---|---|---|---|
| 1 | Fineness by dry sieving (%) | 1.76 | – |
| 2 | Finess by Air permeablity method ($m^2$/kg,Min) | 292.1 | 225$m^2$/kg, Min |
| 3 | Density (gm/cc) | 3.12 | – |
| 4 | Standard Consistency (%) | 28.0% | Not specified |
| 5 | Initial Setting time | 155 minutes | Not less than 30 minutes |
| 6 | Final Setting time | 270 minutes | Not more than 600 minutes |
| 7 | Soundness (Le Chatelier's Method) | 1mm | Not more than 10 mm |

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## TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

| | | |
|---|---|---|
| **Lab ID** | : | **CP-2019-09-07-23** **Date: 19-07-19** |
| **Customer** | : | Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| **Address** | : | Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| **Project Name** | : | Construction of CC Road at MIG 3rd Phase , Cross Roads in Ward No.04, Yelahanka Division. |
| **Agency** | : | Sri.Krishna S, No:35, K H B Main Road, A Block, Kaveri Nagar, Bangalore. |
| **Customer's Reference** | : | EE(YNK.D)E-PMT-09/W.O/08/2019-20. |
| **Source of Sample** | : | Sample supplied by Agency |
| **Sample Condition** | : | Satisfactory |
| **Date of Receipt** | : | 20-06-19 |
| **Sample Type** | : | Birla Super 53grade |
| **Reference to BIS codes** | : | IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification ,<br>IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5<br>IS 4031 Part 6, Determination of Compressive Strength, Clause 6 |
| **Date of test** | : | 21-06-19 |
| **Environmental Conditions during test** | : | Temperature: 26°C<br>Humidity: 72% |

**Compressive Strength**

| Sl.No. | Physical properties | Results | Requirement as per IS 12269: 2013 |
|---|---|---|---|
| 1 | 3 Days | 28.5N/mm$^2$ | Not less than 27 N/mm$^2$ |
| 2 | 7 Days | 39.0N/mm$^2$ | Not less than 37 N/mm$^2$ |
| 3 | 28 Days | 58.5N/mm$^2$ | Not less than 53 N/mm$^2$ |

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## TEST REPORT ON COARSE AGGREGATES

| | | |
|---|---|---|
| **Lab ID** | : | **CP-2019-09-07-23** **Date: 24-06-19** |
| **Customer** | : | Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| **Address** | : | Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| **Project Name** | : | Construction of CC Road at MIG 3rd Phase , Cross Roads in Ward No.04, Yelahanka Division. |
| **Agency** | : | Sri.Krishna S, No:35, K H B Main Road, A Block, Kaveri Nagar, Bangalore. |
| **Customer's Reference** | : | EE(YNK.D)E-PMT-09/W.O/08/2019-20. |
| **Source of Sample** | : | Sample supplied by Agency |
| **Sample condition** | : | Satisfactory |
| **Date of Receipt** | : | 20-06-19 |
| **Sample Type** | : | 40mm down size coarse aggregate |
| **Reference to BIS codes** | : | IS: 383:2016 (Specification for Coarse and fine Aggregates )<br>IS: 2386 :1963(Part - 1,3,4) RA2011<br>IS 2386 Part 1: Particle Size and Shape<br>IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption<br>IS 2386 Part 4: Mechanical Properties |
| **Date of test** | : | 20-06-19 |

**SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:**

**Total weight taken** : **15000** **grams**

| Sample No. | Sieve No. | Weight Retained in gms | Cumulative Weight Retained in gms | % Cumulative Weight Retained | % Passing | Required as per IS 383:2016 |
|---|---|---|---|---|---|---|
| 1 | 80 mm | 0 | 0 | 0.0 | 100 | 100 |
| 2 | 40 mm | 389 | 389 | 2.6 | 97.4 | 90-100 |
| 3 | 20 mm | 7445 | 7834 | 52.2 | 47.8 | 30-70 |
| 4 | 10 mm | 4896 | 12730 | 84.9 | 15.1 | 10-35 |
| 5 | 4.75 mm | 1805 | 14535 | 96.9 | 3.1 | 0-5 |
| 6 | Pan | 465 | 15000 | 100.0 | 0 | --- |



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## TEST REPORT ON COARSE AGGREGATES

| | | |
|---|---|---|
| **Lab ID** | : | **CP-2019-09-07-23** **Date: 22-06-19** |
| **Customer** | : | Assistant Executive Engineer,Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| **Address** | : | Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| **Project Name** | : | Construction of CC Road at MIG 3rd Phase , Cross Roads in Ward No.04,Yelahanka Division. |
| **Agency** | : | Sri.Krishna S, No:35, K H B Main Road, A Block, Kaveri Nagar, Bangalore. |
| **Customer Reference** | : | EE(YNK.D)E-PMT-09/W.O/08/2019-20. |
| **Source of Sample** | : | Sample supplied by Agency |
| **Sample Condition** | : | Satisfactory |
| **Date of Receipt** | : | 20-06-19 |
| **Sample Type/ Size** | : | 20mm down size coarse aggregate |
| **Reference to BIS codes** | : | IS: 383:2016 (Specification for Coarse and fine Aggregates )<br>IS: 2386 :1963(Part - 1,3,4) RA2011<br>IS 2386 Part 1: Particle Size and Shape<br>IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption<br>IS 2386 Part 4: Mechanical Properties |
| **Date of test** | : | 20-06-19 |

**SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:**

**Total weight taken** : 5000 grams

| Sample No. | Sieve No. | Weight Retained in gms | Cumulative Weight Retained in gms | % Cumulative Weight Retained | % Passing | Required as per IS 383:2016 |
|---|---|---|---|---|---|---|
| 1 | 40 mm | 0 | 0 | 0 | 100 | 100 |
| 2 | 20 mm | 189 | 189 | 3.8 | 96.2 | 90-100 |
| 3 | 10 mm | 2499 | 2688 | 53.8 | 46.2 | 25-55 |
| 4 | 4.75 mm | 2011 | 4699 | 94.0 | 6.0 | 0-10 |
| 5 | Pan | 301 | 5000 | 100 | 0 | - |



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# TEST REPORT OF FINE AGGREGATE

**Lab ID** : CP-2019-09-07-23

**Date: 22-06-19**

**Customer** : Assistant Executive Engineer,Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

**Address** : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

**Project Name** : Construction of CC Road at MIG 3rd Phase , Cross Roads in Ward No.04,Yelahanka Division.

**Agency** : Sri.Krishna S, No:35, K H B Main Road, A Block, Kaveri Nagar, Bangalore.

**Customer's Reference** : EE(YNK.D)E-PMT-09/W.O/08/2019-20.

**Source of Sample** : Sample supplied by Agency

**Sample Condition** : Satisfactory

**Date of Receipt** : 20-06-19

**Sample Type** : Fine Aggregate

**Reference to BIS codes** : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

**Date of test** : 20-06-19

**Total weight taken** : 1000 grams

| Sl.no | Sieve Size | Weight Retained (gms) | Cumulative Weight Retained (gms) | % Cumulative Weight Retained | % Passing | Requirement as per IS 383:2016 | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Grading Zone I | Grading Zone II | Grading Zone III | Grading Zone IV |
| 1 | 10 mm | 0 | 0 | 0.0 | 100.0 | 100 | 100 | 100 | 100 |
| 2 | 4.75 mm | 27 | 27 | 2.7 | 97.3 | 90-100 | 90-100 | 90-100 | 95-100 |
| 3 | 2.36 mm | 55 | 82 | 8.2 | 91.8 | 60-95 | 75-100 | 85-100 | 95-100 |
| 4 | 1.18 mm | 239 | 321 | 32.1 | 67.9 | 30-70 | 55-90 | 75-100 | 90-100 |
| 5 | 600 micron | 205 | 526 | 52.6 | 47.4 | 15-34 | 35-59 | 60-79 | 80-100 |
| 6 | 300 micron | 203 | 729 | 72.9 | 27.1 | 5-20 | 8-30 | 12-40 | 15-50 |
| 7 | 150 micron | 191 | 920 | 92.0 | 8.0 | 0-10 | 0-10 | 0-10 | 0-15 |
| 8 | Pan | 80 | 1000 | 100.0 | 0.0 | --- | --- | --- | --- |

**Result :The tested Sample Conforms to Grading Zone II**

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |

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AN ISO 9001 : 2008 COMPANY &NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2005
# 4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

# TEST REPORT OF CEMENT CONCRETE CUBES

| | | |
|---|---|---|
| **Lab ID** | : | **CP-2019-09-07-23** **Date: 02/07/2019** |
| **Customer** | : | Assistant Executive Engineer,Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| **Address** | : | Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| **Project Name** | : | Construction of CC Road at MIG 3rd Phase , Cross Roads in Ward No.04,Yelahanka Division. |
| **Agency** | : | Sri.Krishna S, No:35, K H B Main Road, A Block, Kaveri Nagar, Bangalore. |
| **Customer's Reference** | : | EE(YNK.D)E-PMT-09/W.O/08/2019-20. |
| **Source of Sample** | : | Sample supplied by Agency |
| **Sample Condition** | : | Satisfactory |
| **Date of Receipt** | : | 27-06-19 |
| **Customer ID** | : | Cement Concrete Pavement |
| **Sample Type /Size** | : | 150X150X150 mm |
| **Sample grade/Age** | : | M30 / 7 Days Compressive Strength |
| **Reference to BIS codes** | : | IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5 |
| **Date of test** | : | 02/07/2019 |

| Sl. No. | Identification Mark | Grade of concrete | Date of Casting | Date of Testing | Dimension of the Specimen (mm) | Cross sectional area (Sq.mm) | Weight of the sample (kg) | Failure Load (KN) | Compressive strength ($N/mm^2$) | Average Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 151.36 X 150.72 X 149.51 | 22813 | 8.655 | 586.3 | 25.7 | 25.8 |
| 2 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 149.49 X 150.54 X 151.64 | 22504 | 8.607 | 605.6 | 26.9 | |
| 3 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 149.86 X 149.13 X 151.06 | 22348 | 8.259 | 552.5 | 24.7 | |

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
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Samples will be disposed after 90 days from the date of issue of test certificate

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Page 1/1
****End of Report****

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# 4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

# TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-09-07-23 **Date: 23/07/2019**

**Customer** : Assistant Executive Engineer,Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

**Address** : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

**Project Name** : Construction of CC Road at MIG 3rd Phase , Cross Roads in Ward No.04,Yelahanka Division.

**Agency** : Sri.Krishna S, No:35, K H B Main Road, A Block, Kaveri Nagar, Bangalore.

**Customer's Reference** : EE(YNK.D)E-PMT-09/W.O/08/2019-20.

**Source of Sample** : Sample supplied by Agency

**Sample Condition** : Satisfactory

**Date of Receipt** : 27-06-19

**Customer ID** : Cement Concrete Pavement

**Sample Type /Size** : 150X150X150 mm

**Sample grade/Age** : M30 / 28 Days Compressive Strength

**Reference to BIS codes** : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

**Date of test** : 23/07/2019

| Sl. No. | Identification Mark | Grade of concrete | Date of Casting | Date of Testing | Dimension of the Specimen (mm) | Cross sectional area (Sq.mm) | Weight of the sample (kg) | Failure Load (KN) | Compressive strength ($N/mm^2$) | Average Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Cement Concrete Pavement | M30 | 25/06/2019 | 23/07/2019 | 151.04 X 150.39 X 150.29 | 22716 | 8.356 | 758.0 | 33.4 | 33.2 |
| 2 | Cement Concrete Pavement | M30 | 25/06/2019 | 23/07/2019 | 151.13 X 149.35 X 151.24 | 22570 | 8.863 | 742.4 | 32.9 | |
| 3 | Cement Concrete Pavement | M30 | 25/06/2019 | 23/07/2019 | 150.73 X 151.15 X 150.13 | 22783 | 8.845 | 759.3 | 33.3 | |

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ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106

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R KARTHIK-RECHAN
Authorized Signatory
Quality Manager


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# 4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

# TEST REPORT OF CEMENT CONCRETE CUBES

Date: 02/07/2019

| | | |
|---|---|---|
| Lab ID | : | CP-2019-09-07-23 |
| Customer | : | Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| Address | : | Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| Project Name | : | Construction of CC Road at MIG 3rd Phase , Cross Roads in Ward No.04, Yelahanka Division. |
| Agency | : | Sri.Krishna S, No:35, K H B Main Road, A Block, Kaveri Nagar, Bangalore. |
| Customer's Reference | : | EE(YNK.D)E-PMT-09/W.O/08/2019-20. |
| Source of Sample | : | Sample supplied by Agency |
| Sample Condition | : | Satisfactory |
| Date of Receipt | : | 27-06-19 |
| Customer ID | : | Cement Concrete Pavement |
| Sample Type /Size | : | 150X150X150 mm |
| Sample grade/Age | : | M30 / 7 Days Compressive Strength |
| Reference to BIS codes | : | IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5 |
| Date of test | : | 02/07/2019 |

| Sl. No. | Identification Mark | Grade of concrete | Date of Casting | Date of Testing | Dimension of the Specimen (mm) | Cross sectional area (Sq.mm) | Weight of the sample (kg) | Failure Load (KN) | Compressive strength ($N/mm^2$) | Average Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 151.57 X 149.29 X 150.93 | 22628 | 8.655 | 575.4 | 25.4 | 25.7 |
| 2 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 150.18 X 151.76 X 149.91 | 22791 | 8.607 | 605.9 | 26.6 | |
| 3 | Cement Concrete Pavement | M30 | 25/06/2019 | 02/07/2019 | 150.96 X 150.33 X 150.00 | 22694 | 8.259 | 566.7 | 25.0 | |

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಜಿ.ಜಿ.ಎಂ.ಸಿ. ಬೆಂಗಳೂರು-106

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager


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# TEST REPORT OF CEMENT CONCRETE CUBES

| | | |
|---|---|---|
| **Lab ID** | : | **CP-2019-09-07-23** **Date: 23/07/2019** |
| **Customer** | : | Assistant Executive Engineer,Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| **Address** | : | Yelahanka Satellite Town Sub Division, BBMP, Bangalore. |
| **Project Name** | : | Construction of CC Road at MIG 3rd Phase , Cross Roads in Ward No.04,Yelahanka Division. |
| **Agency** | : | Sri.Krishna S, No:35, K H B Main Road, A Block, Kaveri Nagar, Bangalore. |
| **Customer's Reference** | : | EE(YNK.D)E-PMT-09/W.O/08/2019-20. |
| **Source of Sample** | : | Sample supplied by Agency |
| **Sample Condition** | : | Satisfactory |
| **Date of Receipt** | : | 27-06-19 |
| **Customer ID** | : | Cement Concrete Pavement |
| **Sample Type /Size** | : | 150X150X150 mm |
| **Sample grade/Age** | : | M30 / 28 Days Compressive Strength |
| **Reference to BIS codes** | : | IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5 |
| **Date of test** | : | 23/07/2019 |

| Sl. No. | Identification Mark | Grade of concrete | Date of Casting | Date of Testing | Dimension of the Specimen (mm) | Cross sectional area (Sq.mm) | Weight of the sample (kg) | Failure Load (KN) | Compressive strength ($N/mm^2$) | Average Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Cement Concrete Pavement | M30 | 25/06/2019 | 23/07/2019 | 151.52 X 151.30 X 149.04 | 22926 | 8.356 | 773.1 | 33.7 | 33.5 |
| 2 | Cement Concrete Pavement | M30 | 25/06/2019 | 23/07/2019 | 149.31 X 150.15 X 151.51 | 22419 | 8.863 | 736.6 | 32.9 | |
| 3 | Cement Concrete Pavement | M30 | 25/06/2019 | 23/07/2019 | 149.13 X 151.94 X 151.37 | 22659 | 8.845 | 769.2 | 33.9 | |

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